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Knight-Kit TR-102

Two-meter equipment has come a long way in the past 25 years. A look at the gear we used in the W.E.R.S. activity during WWII would make you shudder: modulated oscillators that drifted all around the band, and super-regen receivers that could radiate almost as much as the transmitters.

At a meeting of the Old Timers in Trenton, N.J., in 1946, the late John Reinartz, WIQP, showed us a five-tube, crystal controlled two-meter rf source, built on a 3 x 8 inch chassis. He plugged in a 4.5 MHz crystal at one end, and a small flashlight bulb lit up at the other. We were amazed that those receiving tubes could put out anything at all on two, especially with the final tube doubling. But we were progressing.

Things are very different today on two, and kits have little resemblance to those of the early days. One of the most interesting recent kits is Allied's Knight-Kit Model TA-102. Similar basically to the Model TR-106 that was

discussed by WA1CCH in the August issue, this one has an additional multiplier, and coils that are well designed for two. Output is a good 10 watts over the entire band with either VFO or crystal control. The Model V-107 VFO unit is an accessory that plugs into the rear deck and gives a very neat appearance along side the TR-102.

The instruction book gives you two chances to do everything right the first time: clearly worded text, with a picture to show exactly what is intended. You would almost have to make an error on purpose to get into trouble. The kit we assembled gave no problems and produced the expected output.

Here is a very inexpensive way to get on two meters with a good modern transceiver, ready for either mobile or fixed operation simply by using the appropriate power cable. We expect to hear TR-102's in ever-increasing numbers in round tables, emergency and mobile work. See you on two with a TR-102.

The HEP-801 is an N-channel field effect transistor for low frequency and dc uses. It costs \$3.39.

Also included in the HEP displays are heat sinks, IC sockets, TO-3 mounting kits and a number of books and pamphlets. A couple of the books are discussed briefly on page 87 in the October 73.

The prices quoted above may vary a bit

from different stores. You can get a complete list of HEP distributors and a catalog from Motorola HEP, Box 955, Phoenix, Arizona 85001. Incidentally, the new Allied consumer catalog lists the HEP-devices with their prices. Whether you order them by mail or buy them locally, try some of the HEP semiconductors. You'll like them.

... WA1CCH